CONTENTS OF VOLUME 48

Number 1

THE FRONTIERS OF CARDIOMYOPATHY — John F Goodwin — 1

HAEMODYNAMIC EFFECTS OF NIFEDIPINE AND PROPRANOLOL IN PATIENTS WITH HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY — K Landmark, S Sire, E Thaulow, J P Amlie, S Nitter-Hauge — 19

EFFECTS OF LIGNOCAINE ON BIDIRECTIONAL TACHYCARDIA AND ON DIGITALIS-INDUCED ATRIAL TACHYCARDIA WITH BLOCK — A Castellanos, J Ferreiro, K Pefkaros, J J Rozanski, F Moleiro, R J Myerburg — 27

INFLUENCE OF BETA ADRENERGIC BLOCKADE ON EFFECTS OF PHYSICAL TRAINING IN PATIENTS WITH ISCHAEMIC HEART DISEASE — L Vanhees, R Fagard, A Amery — 33

SCINTIGRAPHIC STUDY OF RELATION BETWEEN LEFT VENTRICULAR PEAK SYSTOLIC PRESSURE AND END-SYSTOLIC VOLUME IN PATIENTS WITH CORONARY ARTERY DISEASE AND NORMAL SUBJECTS — J Watkins, R Slutsky, J Tubau, J Karliner — 39

SYSTOLIC CLOSURE OF AORTIC VALVE IN PATIENTS WITH PROSTHETIC MITRAL VALVES — M Eldar, M Motro, S Rath, N Schy, H N Neufeld — 48

MORPHOMETRIC INVESTIGATIONS IN MITRAL STENOSIS USING TWO DIMENSIONAL ECHOCARDIOGRAPHY — P Schweizer, P Bardos, W Krebs, R Erbel, C Minale, S Imm, B J Messmer, S Effert — 54

EVALUATION OF LEFT VENTRICULAR PERFORMANCE DURING SUPINE EXERCISE BY TRANSOESOPHAGEAL M-MODE ECHOCARDIOGRAPHY IN NORMAL SUBJECTS — M Matsumoto, P Hanrath, P Kremer, C Tams, B A Langenstein, M Schlüter, R Weiter, W Bleifeld — 61

TRANSOESOPHAGEAL CROSS-SECTIONAL ECHOCARDIOGRAPHY WITH PHASED ARRAY TRANSDUCER SYSTEM. TECHNIQUE AND INITIAL CLINICAL RESULTS — M Schlüter, B A Langenstein, J Polster, P Kremer, J Souquet, S Engel, P Hanrath — 67

CASE REPORTS — 73, 75, 78, 81

CORRESPONDENCE — 83

PROCEEDINGS OF THE BRITISH CARDIAC SOCIETY — 87

Number 2

TWO DIMENSIONAL ECHOCARDIOGRAPHIC DIAGNOSIS OF SITUS
J C Huhta, J F Smallhorn, F J Macartney 97

ISOLATED ANTERIOR MITRAL CLEFT. TWO DIMENSIONAL ECHOCARDIOGRAPHIC ASSESSMENT AND DIFFERENTIATION FROM "CLEFTS" ASSOCIATED WITH ATRIOVENTRICULAR SEPTAL DEFECT
J F Smallhorn, M de Leval, J Stark, J Somerville, J F N Tayor, R H Anderson, F J Macartney 109

MITRAL VALVE REPLACEMENT IN CHILDREN. COMPARATIVE STUDY OF PRE- AND POSTOPERATIVE HAEMODYNAMICS AND LEFT VENTRICULAR FUNCTION
E G Benmimoun, B Friedli, W Rutishauser, B Faidutti 117

INDEPENDENCE OF CHANGES IN LEFT VENTRICULAR DIASTOLIC PROPERTIES OF PERICARDIAL PRESSURE
P J Oldershaw, E Shapiro, M Mattheos, M G St John Sutton, D Gibson 125

EXERCISE TESTING IN MITRAL VALVE PROLAPSE BEFORE AND AFTER BETA BLOCKADE
E G Abinader, J Shahar 130

EFFECT OF HEPARIN ON PLASMA FREE FATTY ACID CONCENTRATIONS AFTER ACUTE MYOCARDIAL INFARCTION R A Riemersma, R Logan, D C Russell, H J Smith, J Simpson, M F Oliver 134

ACUTE ELECTROPHYSIOLOGICAL EFFECTS OF FLECAINIDE ACETATE ON CARDIAC CONDUCTION AND REFRACTORINESS IN MAN K J Hellestrand, R S Bexton, A W Nathan, R A J Spurrell, A J Camm 140

ROLE OF THE FRANK-STARLING MECHANISM DURING MAXIMAL SEMISUPINE EXERCISE AFTER ORAL ATENOLOL K Andersen, H Vik-Mo 149

DIURNAL VARIATION IN EXERCISE RESPONSES IN ANGINA PECTORIS M Joy, C M Pollard, T O Nunan 156

INFLUENCE OF R WAVE ANALYSIS UPON DIAGNOSTIC ACCURACY OF EXERCISE TESTING IN WOMEN
C Ilsley, R Canepa-Anson, C Westgate, S Webb, A Rickards, P Poole-Wilson 161

COMPUTERISED CARDIOLOGICAL CASE NOTES
K N Williams, I A B Brooksby, J Morrice, S Houseago, M M Webb-Peploe 169

CASE REPORTS 177, 180, 184, 189

NOTICES 192

Number 3

History of Atrial Fibrillation 1628-1819 Harvey - de Senac - Laënnec — John McMichael — 193

Cardiac Arrhythmias in Hypertrophic Cardiomyopathy — I Bjarnason, T Hardarson, S Jonsson — 198

Non-Invasive Assessment of Diastolic Function in Hypertrophic Cardiomyopathy On and Off Beta Adrenergic Blocking Drugs — R F Alvares, J F Goodwin — 204

"Torsade de Pointes" Tachycardia. Re-entry or Focal Activity? — C Naumann D'Alnoncourt, W Zierhut, B Lüderitz — 213

Significance of Complete Right Bundle-Branch Block When an Isolated Finding. An Echocardiographic Study — M Dancy, G Leech, A Leatham — 217

M-Mode Echocardiographic Features of Endomyocardial Fibrosis — B O George, F E Gaba, A I Talabi — 222

Cross-Sectional Echocardiographic Recognition of Interruption of Aortic Arch Between Left Carotid and Subclavian Arteries — J F Smallhorn, R H Anderson, F J Macartney — 229

Complete Congenital Heart Block. Report of 35 Cases — J M Reid, E N Coleman, W Doig — 236

Absent Left Atrioventricular Connection With Right Atrium Connected to Morphologically Left Ventricular Chamber, Rudimentary Right Ventricular Chamber, and Ventriculoarterial Discordance. Problem of Mitral Versus Tricuspid Atresia — A Restivo, S Y Ho, R H Anderson, H Cameron, J L Wilkinson — 240

Total Anomalous Pulmonary Venous Connection. Repair Using Deep Hypothermia and Circulatory Arrest in 44 Consecutive Infants — D F Dickinson, K M Parimelazhagan, M C K Tweedie, C R West, G P Piccoli, F Musumeci, D I Hamilton — 249

Routine Radionuclide Techniques in Evaluation of Patients With Suspected Coronary Heart Disease — E Thaulow, K Rootwelt, J Erikssen, S Nitter-Hauge — 255

Reversible Ischaemia of Right Ventricle Detected by Exercise Thallium-201 Scintigraphy — A Lahiri, G P Carboni, J W Crawley, E B Raftery — 260

Coronary Artery Narrowing Without Irreversible Myocardial Damage or Development of Collaterals. Assessment of "Critical" Stenosis in a Human Model — Erling Falk — 265

Captopril as Treatment For Patients With Pulmonary Hypertension. Problem of Variability in Assessing Chronic Drug Treatment — S Rich, J Martinez, W Lam, K M Rosen — 272

Left Ventricular Function in Hypothyroidism. Responses to Exercise and Beta Adrenoceptor Blockade — J C Forfar, A L Muir, A D Toft — 278

A Trial of Prophylactic Mexiletine in Home Coronary Care — J A Bell, J M Thomas, J R Isaacson, N J C Snell, D W Holt — 285

Case Reports — 291, 294, 298

Correspondence — 301

Notices — 308

Number 4

EDITORIAL: EXERCISE HEART RATE/ST SEGMENT RELATION. PERFECT PREDICTOR OF CORONARY DISEASE? K M Fox 309

ACCURATE DETECTION OF CORONARY HEART DISEASE BY NEW EXERCISE TEST
M S Elamin, R Boyle, M M Kardash, D R Smith, J B Stoker, W Whitaker, D A S G Mary, R J Linden 311

SUPRASTERNAL CROSS-SECTIONAL ECHOCARDIOGRAPHY IN ASSESSMENT OF PATENT DUCTUS ARTERIOSUS J F Smallhorn, J C Huhta, R H Anderson, F J Macartney 321

CROSS-SECTIONAL ECHOCARDIOGRAPHIC ASSESSMENT OF CONDITIONS WITH ATRIOVENTRICULAR VALVE LEAFLETS ATTACHED TO THE ATRIAL SEPTUM AT THE SAME LEVEL
J F Smallhorn, G R Sutherland, R H Anderson, F J Macartney 331

EFFECT OF AGE RELATED CHANGES IN CHAMBER SIZE, WALL THICKNESS, AND HEART RATE ON LEFT VENTRICULAR FUNCTION IN NORMAL CHILDREN
M G St John Sutton, D L Marier, P J Oldershaw, R Sacchetti, D G Gibson 342

SERUM LEVELS OF ACUTE PHASE AND CARDIAC PROTEINS AFTER MYOCARDIAL INFARCTION, SURGERY, AND INFECTION F Voulgari, P Cummins, T I M Gardecki, N J Beeching, P C W Stone, J Stuart 352

VASOMOTOR WAVE AND BLOOD PRESSURE RESPONSE TO ERECT POSTURE AFTER OPERATION FOR AORTIC COARCTATION J Sehested, G Schultze 357

COMPARATIVE HAEMODYNAMIC DOSE RESPONSE EFFECTS OF PROPRANOLOL AND LABETALOL IN CORONARY HEART DISEASE B Silke, G I C Nelson, R C Ahuja, S H Taylor 364

POSTOPERATIVE THALLIUM-201 MYOCARDIAL IMAGES. EVIDENCE OF REGRESSION OF RIGHT VENTRICULAR HYPERTROPHY IN MAN
H Yamazaki, T Tsugu, S Handa, Y Takagi, F Ohsuzu, M Kondo, A Kubo, T Inoue, Y Nakamura 372

BLOOD PRESSURE AND HAEMODYNAMICS IN TEENAGERS
A Hofman, R C Ellison, J Newburger, O S Miettinen 377

EVALUATION OF DRUG-INDUCED CHANGES IN MYOCARDIAL REPOLARISATION USING THE PACED EVOKED RESPONSE R M Donaldson, A F Rickards 381

CROSS-SECTIONAL ECHOCARDIOGRAPHIC DIAGNOSIS OF SYSTEMIC VENOUS RETURN
J C Huhta, J F Smallhorn, F J Macartney, R H Anderson, M de Leval 388

SEVERE TRICUSPID STENOSIS PRESENTING AS TRICUSPID ATRESIA. ECHOCARDIOGRAPHIC DIAGNOSIS AND SURGICAL MANAGEMENT D F Shore, M L Rigby, C Lincoln 404

CASE REPORTS 407, 410, 413

NOTICES 416

Number 5

EDITORIAL: THEORY AND PRACTICE IN PREVENTION OF ARTERIAL THROMBOSIS — J R A Mitchell — 417

LEFT VENTRICULAR OUTFLOW TRACT OBSTRUCTION COEXISTING WITH VENTRICULAR SEPTAL DEFECT — D F Shore, J Smallhorn, J Stark, C Lincoln, M R de Leval — 421

TWO DIMENSIONAL ECHOCARDIOGRAPHIC ASSESSMENT OF AORTIC VALVE MORPHOLOGY: FEASIBILITY OF BICUSPID VALVE DETECTION. PROSPECTIVE STUDY OF 100 ADULT PATIENTS — M J Zema, M Caccavano — 428

ECHOCARDIOGRAPHIC FEATURES OF EOSINOPHILIC ENDOMYOCARDIAL DISEASE — J Davies, D G Gibson, R Foale, K Heer, C J F Spry, C M Oakley, J F Goodwin — 434

PHASE ANALYSIS OF THE FIRST PASS RADIONUCLIDE ANGIOCARDIOGRAM — S Walton, P J Ell, P H Jarritt, R H Swanton — 441

LOCALISATION AND DIRECTION OF MITRAL REGURGITANT FLOW IN MITRAL ORIFICE STUDIED WITH COMBINED USE OF ULTRASONIC PULSED DOPPLER TECHNIQUE AND TWO DIMENSIONAL ECHOCARDIOGRAPHY — K Miyatake, Y Nimura, H Sakakibara, N Kinoshita, M Okamoto, S Nagata, K Kawazoe, T Fujita — 449

ALTERNATING ATRIAL ELECTROMECHANICAL DISSOCIATION AS CONTRIBUTING FACTOR FOR PULSUS ALTERNANS — F W A Verheugt, H Scheck, R S Meltzer, J Roelandt — 459

LEFT AND RIGHT VENTRICULAR TRABECULAR PATTERNS. CONSEQUENCE OF VENTRICULAR SEPTATION AND VALVE DEVELOPMENT — A C G Wenink, A C Gittenberger-de Groot — 462

PERSISTENCE OF DUCTUS ARTERIOSUS WITH LEFT TO RIGHT SHUNT IN THE OLDER PATIENT — R M Marquis, H C Miller, R J M McCormack, M B Matthews, A H Kitchin — 469

TRICUSPID ATRESIA: ANALYSIS OF CORONARY ARTERY DISTRIBUTION AND VENTRICULAR MORPHOLOGY — J E Deanfield, G Tommasini, R H Anderson, F J Macartney — 485

EFFECT OF NICOTINE ON PRODUCTION OF PROSTACYCLIN IN HUMAN UMBILICAL ARTERY — I Stoel, W J v d Giessen, E Zwolsman, F W A Verheugt, F ten Hoor, F J A Quadt, P G Hugenholtz — 493

REMOVAL OF EMBOLISED CATHETERS USING FLEXIBLE ENDOSCOPY FORCEPS — T R D Shaw — 497

CASE REPORTS — 501, 504, 507, 510

Number 6

TOTAL ANOMALOUS PULMONARY VENOUS RETURN. PRENATAL DAMAGE TO PULMONARY VASCULAR BED AND EXTRAPULMONARY VEINS — Sheila G Haworth — 513

COMPUTER ANALYSIS OF CARDIAC CONTRACTILITY VARIABLES OBTAINED BY M-MODE ECHOCARDIOGRAPHY IN NORMAL NEWBORNS — R Hofstetter, A Mayr, G von Bernuth — 525

CLINICAL, ECHOCARDIOGRAPHIC, AND OPERATIVE FINDINGS IN ACTIVE INFECTIVE ECHOCARDITIS — T H Pringle, S W Webb, M M Khan, H O J O'Kane, J Cleland, A A J Adgey — 529

PREOPERATIVE ECHOCARDIOGRAPHIC DIAGNOSIS OF ANTERIOR MITRAL VALVE LEAFLET FENESTRATION ASSOCIATED WITH INFECTIVE ENDOCARDITIS — M Matsumoto, J Strom, H Hirose, H Abe — 538

HAEMODYNAMIC AND HORMONAL EFFECTS OF CAPTOPRIL IN PRIMARY PULMONARY HYPERTENSION — H Ikram, A H Maslowski, M G Nicholls, E A Espiner, F T L Hull — 541

TRANSMURAL, HAEMORRHAGIC MYOCARDIAL INFARCTION AFTER INTRACORONARY STREPTOKINASE. CLINICAL, ANGIOGRAPHIC, AND NECROPSY FINDINGS — D G Mathey, J Schofer, K-H Kuck, U Beil, G Klöppel — 546

SUDDEN VERSUS GRADUAL WITHDRAWAL OF SOTALOL IN AMBULANT PATIENTS WITH ISCHAEMIC HEART DISEASE — A Henderson, J Errington — 552

PROJECTION OF ST SEGMENT CHANGES ON TO THE FRONT OF THE CHEST. PRACTICAL IMPLICATIONS FOR EXERCISE TESTING AND AMBULATORY MONITORING — K M Fox, J Deanfield, P Ribero, D England, C Wright — 555

PRECORDIAL ST SEGMENT DEPRESSION IN PATIENTS WITH INFERIOR MYOCARDIAL INFARCTION: CLINICAL IMPLICATIONS — J S Gelman, A Saltups — 560

COMPLETE TRANSPOSITION OF GREAT ARTERIES WITH COARCTATION OF AORTA — O Milanesi, G Thiene, R M Bini, P A Pellegrino — 566

ACCURACY AND RELIABILITY OF TWO INDIRECT AMBULATORY BLOOD PRESSURE RECORDERS: REMLER M2000 AND CARDIODYNE SPHYGMOLOG — D J Fitzgerald, W G O'Callaghan, R McQuaid, K O'Malley, E O'Brien — 572

NORMAL CORONARY ARTERIOGRAM. AN AVOIDABLE TEST? — C Ilsley, A Stockley, D Clitsakis, C Layton — 580

SINUS NODE FUNCTION IN FIRST THREE WEEKS AFTER CARDIAC TRANSPLANTATION — A F Mackintosh, D J Carmichael, C Wren, R Cory-Pearce, T A H English — 584

IRREVERSIBLE MORPHOLOGICAL CHANGES CONTRIBUTING TO DEPRESSED CARDIAC FUNCTION AFTER SURGERY FOR CHRONIC AORTIC REGURGITATION — R M Donaldson, R Florio, A F Rickards, J G Bennett, M Yacoub, D N Ross, E Olsen — 589

CASE REPORTS — 598, 601

CORRESPONDENCE — 604

NOTICES — 606

INDEX — 607